

# INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/IB2004/051173

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 G06F3/033 G06K11/00 G02F1/133 G09F9/00 G09G3/32

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G06K G02F G09F G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 907 375 A (NISHIKAWA ET AL) 25 May 1999 (1999-05-25) column 4, line 19 - line 42 column 8, line 55 - column 14, line 34; figures 3,6	1-15
X	US 6 035 180 A (KUBES ET AL) 7 March 2000 (2000-03-07) column 4, line 64 - column 7, line 44; figures 4,5	1-15
A	US 6 501 529 B1 (KURIHARA MIKIO ET AL) 31 December 2002 (2002-12-31) column 2, line 48 - column 3, line 30; figures 3-5	1-15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

13 May 2005

Date of mailing of the International search report

23/05/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/107169 A (KONINKLIJKE PHILIPS ELECTRONICS N.V; U.S. PHILIPS CORPORATION) 24 December 2003 (2003-12-24) paragraph '0031!; figures 3-6 -----	1-15

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

Int'l Application No

PCT/IB2004/051173

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5907375	A	25-05-1999	JP	3463501 B2		05-11-2003
			JP	9292948 A		11-11-1997
			KR	238360 B1		15-01-2000
US 6035180	A	07-03-2000	AU	745423 B2		21-03-2002
			AU	9786898 A		27-04-1999
			BR	9812865 A		08-08-2000
			CN	1281581 A ,C		24-01-2001
			EE	200000215 A		15-06-2001
			EP	1019931 A1		19-07-2000
			HK	1034357 A1		07-01-2005
			JP	2001519585 T		23-10-2001
			WO	9918590 A1		15-04-1999
US 6501529	B1	31-12-2002	JP	2001075074 A		23-03-2001
WO 03107169	A	24-12-2003	US	2003231197 A1		18-12-2003
			AU	2003242887 A1		31-12-2003
			WO	03107169 A2		24-12-2003